Special Issue

Quality Evaluation and Functional Food Development of Cereals, Pseudocereals and Pulse Products

Message from the Guest Editors

In the recent decades, consumer expectations in the field of food production have changed considerably. Modern consumers are increasingly demanding food with a high qualitative standard which arises from the use of high-quality raw materials. Moreover, today, foods are not only intended to satisfy hunger and provide the needed nutrients but also to prevent nutrition-related diseases and improve physical and mental wellbeing. In this regard, cereals, pseudocereals, and pulses, representing the most important agricultural products for human and animal nutrition worldwide, play an outstanding role. These crops and their products are important staple foods, providing essential nutrients and bioactive compounds, and can be easily functionalized. Therefore, considering the high interest in quality assessment and development of functional foods from cereals, pseudocereals, and pulses as an emerging challenge for modern food industries, this Special Issue will cover a wide variety of related areas, with the aim of contributing to the overall knowledge of different quality aspects, such as physical-chemical, rheological, technological, microbiological, and sensorial aspects.

Guest Editors

Dr. Alfio Spina

Consiglio per la Ricerca in Agricoltura e L'analisi Dell'economia Agraria - Centro di Ricerca Cerealicoltura e Colture Industriali (CREA-CI), Acireale, Italy

Prof. Dr. Antonella Pasqualone

Department of Soil, Plant and Food Science (DISSPA), University of Bari Aldo Moro, I-70126 Bari, Italy

Deadline for manuscript submissions

closed (31 October 2022)



Plants

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/74267

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

mdpi.com/journal/ plants





Plants

an Open Access Journal by MDPI

Impact Factor 4.1 CiteScore 7.6 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB R3T 2N2, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

